



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the Application of:

LAFFEND ET AL.

CASE NO.: CR-9715-B

SERIAL NO.: 08/849,404

GROUP ART UNIT: 1652

FILED: 22 MARCH 1998

EXAMINER: G. E. BUGAISKY

FOR: BIOCONVERSION OF A FERMENTABLE
CARBON SOURCE TO 1,3-PROPANEDIOL
BY A SINGLE MICROORGANISM

RECEIVED

APR 02 1998

MATRIX CUSTOMER
SERVICE CENTERAMENDMENT

Assistant Commissioner for Patents
Washington, DC 20231

Sir:

In response to the Office Action dated 2 January 1998,
please amend the above-referenced application as follows. This
reply is filed within the shortened statutory period.

IN THE CLAIMS:

Please cancel claims 1, 3-5, 7-19 and 32 and 33.

Please amend the claims as follows:

2. (Amended One Time) A bioconversion process to produce
1,3-propanediol comprising contacting, under suitable
conditions, glycerol or dihydroxyacetone with a single
microorganism having at least one gene [capable of] expressing
a glycerol dehydratase enzyme, the microorganism selected from
the group consisting of members of the genera *Aspergillus*,
Saccharomyces, *Zygosaccharomyces*, *Pichia*, *Kluyveromyces*,
Candida, *Hansenula*, *Debaryomyces*, *Mucor*, *Torulopsis*,
Methylobacter, *Salmonella*, *Bacillus*, *Streptomyces*, and
Pseudomonas.

I HEREBY CERTIFY THAT THIS PAPER IS BEING DEPOSITED WITH THE UNITED STATES
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COMMISSIONER FOR PATENTS, WASHINGTON, D.C. 20231, ON THIS DATE.

Date

Tammy Lane